AMENDMENTS TO THE SPECIFICATION

In the Specification, please replace Paragraph [0029] with the following revised paragraph:

[0029] Some aspects of the invention relate to a method for implanting a trabecular stent to lower intraocular pressure of an eye comprising: providing the trabecular stent, wherein the stent comprises an inlet terminal and an outlet terminal, means for identifying a target collector channel region that [~~is~~] connects to peripheral of Schlemm's canal, and placing the trabecular stent through trabecular meshwork, wherein the inlet terminal is exposed to an anterior chamber and the outlet terminal is exposed to about the target collector channel region. In one embodiment, the means for identifying the target collector channel region is by observing the reflux of blood toward Schlemm's canal or by applying trabecular flow modeling.

Please replace Paragraph [0051] with the following revised paragraph:

[0051] Referring to FIGS. 1 to 19, a method for the treatment of glaucoma by ~~is shown,~~ implanting at least one stent implant targeted at or near to the collector channels <u>is shown</u>. In particular, a trabecular bypass flow model is developed and applied to exploit the effect of Schlemm's canal (SC) and collector channel (CC) dilation on intraocular pressure (IOP), enabling targeting optimal site or regions for stent placement.

Please replace Paragraph [0072] with the following revised paragraph:

[0072] Where additional stents are implanted in light of the second bypass flow model, the additional stents can be different from the first stents implanted. For example, where a single or multiple stents are implanted in accordance with the first bypass flow model, the additional stents can be of a different type. For example, in one embodiment, the second stent is the same as the first stent. In another embodiment, the second stent(s) is injectable or axisymmetric stent. In still another embodiment, the second stent(s) is smaller than (in some case<u>s</u>, larger than) the first stent. The dose response may also relate to the stent configuration or characteristics such as drug-loading or surface treatment enabling enhancing aqueous transport or therapeutic effects on the tissue as needed.

Please replace Paragraph [0075] with the following revised paragraph:

[0075] Some aspects of the invention relate to means for identifying the number and size of the collector channels (or the sum of the aqueous outflow quantity at each region of the canal circumference) at the vicinity of Schlemm's canal enabling targeting and implanting a single stent or a plurality of glaucoma stents for optimally treating elevated intraocular pressure. By way of example, the reflux of blood toward Schlemm's canal can be tracked dynamically using a slip lamp when a patient's head is turned from a bowing position to an upright position.